New font manager for RISC OS 3.1 users

This does not apply if your computer has RISC OS 2.

Supplied with this version of Impression is a new Acorn Font Manager, version 3.28.

The original Font manager supplied in ROM with RISC OS 3.10 & 3.11 would occasionally, incorrectly format RISC OS 3 fonts if the *Automatic kerning* document preference option was switched ***on***. The text would appear to flow out of its frame in a document and would also appear as such when printed. Acorn's new Font manager addresses this problem. Similar problems could also occur in other applications.

The new font manager will require 65KB of memory (RAM). If you use a 2MB machine or you cannot afford to loose 65KB of RAM, do not use this new font manager, but switch *Automatic kerning* ***off***. This will mean that text will not be kerned, but is the safest option. If your document does start to display incorrectly and you have *Automatic Kerning* ***on***, then switch it ***off***, and the document should sort itself out.

Replacing the font manager is quite a complex operation. The module needs to be replaced before the desktop is run and your applications are loaded. Fortunately, the installer supplied with Impression will do this automatically for you if you tell it to do so - and we recommend you do. For advanced users who want to know what is happening, a detailed description is offered below.

I have a RISC OS 2 machine...

Do not install the Font manager - the installer will not offer you the option anyway. The new Font manager is only for use on RISC OS 3.1 or 3.11 equipped machines. Automatic kerning is not available on this machine.

I have a RISC OS 3.0 equipped machine...

Do not install the Font manager. The font manager will not work with RISC OS 3.0 equipped machines. Both Computer Concepts Ltd. and Acorn Computers Ltd. strongly recommend you upgrade your operating system to RISC OS 3.1

I have a RISC OS 3.1/3.11 equipped machine and have never experienced a problem with the standard Font Manager. I want to keep the existing Manager...

Simply do not choose the *Install new Font manager* option when running the installer. Leave *Automatic Kerning* ***on***, and hope for the best! On very important documents, we recommend you switch *Automatic Kerning* ***off***.

If a document does start to display incorrectly, then switch the Kerning ***off*** and the document should sort itself out:

1 Click **Menu** (the middle button of the mouse).
2 Choose *File → Preferences...*
3 Untick the *Automatic Kerning* option.
4 Click on **OK**.

I have a 2MB machine, or I cannot afford to loose 65KB of free RAM & want to switch off the Automatic kerning option

1 Load Impression as normal.
2 Bring up a new document window (click on the Impression icon on the icon bar).
3 Click in the new document window.
4 Click **Menu** (the middle button of the mouse).
5 Choose *File → Preferences....*
6 Untick the *Automatic Kerning* option.
7 Click on **OK**.

I have a 2MB machine and I cannot afford to loose 65KB of free RAM & permanently want to switch off the Automatic kerning option

1 Load Impression as normal.
2 Bring up a new document window (click on the Impression icon on the icon bar).
3 Click in the new document window.
4 Click **Menu** (the middle button of the mouse)
5 Choose *File → Preferences....*
6 Untick the *Automatic Kerning* option.
7 Click on **OK**.
8 Click **Menu**.
9 Click on *Utilities → Save as default*

I have enough free memory, and want to load the new Font Manager.

We recommend you run the Impression installer (on Disc 1) and choose the *Install Font manager* options when offered.

I have enough free memory and want to install the font manager, but as an expert or experienced user, want to alter my own *!Boot* system.

The new Font manager must be installed before entering the Desktop.

Save out a desktop boot file but instead of calling it *!Boot* call it *!DeskBoot* and put it in the root directory of the boot filing system. Refer to the desktop boot files section in the RISC OS User Guide on how to save out a boot file.

Type the following into Edit or similar text editing application as a file of type *Obey* and save as *!Boot* in the root directory:-

```
Set BootDisc$Dir adfs::4.$
| Load any "before desktop" modules
RMEnsure MessageTrans 0.27 RMLoad <BootDisc$Dir>.!System.310.Modules.MsgTrans
RMEnsure FontManager 3.28 RMLoad <BootDisc$Dir>.!System.310.Modules.Fonts
|
Run
<BootDisc$Dir>.!DeskBoot
```

The `ADFS::4.$` will need to be changed to the main filing system that is being used on the machine. ADFS is the main filing system on most machines. However, A540 owners would type in `SCSI::4.$` or similar. A hint might be to look at the title bar of the root directory filer window for confirmation on what your filing system is. Floppy disc users will need to set up a boot disc which has been named and has, as a minimum requirement, a *!System* folder and a *!Scrap* folder.

The above file tries to load in the new modules from where they have been installed by the Impression Installer before entering the desktop and then enters the desktop and runs the normal RISC OS 3 boot file which is now called *!DeskBoot*.

Problems

If the error message *'Font manager already in use'* is seen when booting the machine, an application or module is using the outline font manager before the new version is loaded. You then have to make sure that the font manager is loaded before this application or module. Usually, the Acorn *!Boot* system places the System and Scrap paths early in the file (*!DeskBoot*). If necessary, move the System and Scrap paths to the beginning of the `Filer_Boot` listings.

For example:

```
| Desktop boot file, saved at 11:04:41 10-Mar-1994
WimpSlot -next 640K
ChangeDynamicArea -FontSize 128K
ChangeDynamicArea -SpriteSize 0K
ChangeDynamicArea -RamFsSize 0K
ColourTransLoadings &2 &4 &1
Filer_Boot adfs::IDEDisc4.$.!System (Make sure
!System & !Scrap are located here.)
Filer_Boot adfs::IDEDisc4.$.!Scrap
Filer_Boot Resources:$.Apps.!Alarm
Filer_Boot Resources:$.Apps.!Configure
Filer_Boot Resources:$.Apps.!Draw
Filer_Boot Resources:$.Apps.!Edit
Filer_Boot Resources:$.Apps.!Paint
Filer_Boot adfs::IDEDisc4.$.!Fonts
```

You will be warned...

The following warning message is displayed the first time you try and print from Impression and it detects that you are running the standard RISC 3.1 font manager and have the automatic kerning document preference set:

> **Warning! You are using the standard RISC OS 3.1 Font manager and the automatic kerning document preference is switched ON. Your printout may not look correct. Refer to the release notes and/or re-install the copy of Impression.**

This is just to make sure that you are aware of the problem and that you may well not get a good print-out.